

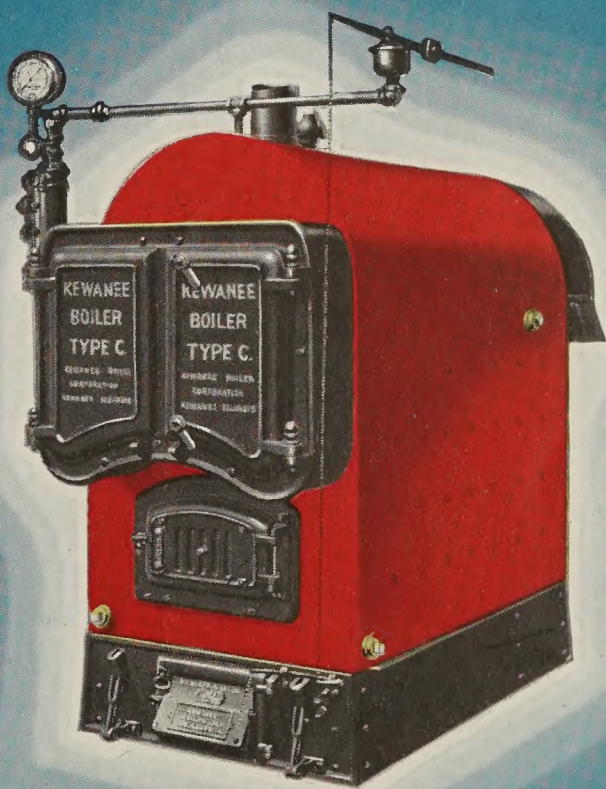


# KEWANEE

## TYPE C

# BOILER

CATALOG 84



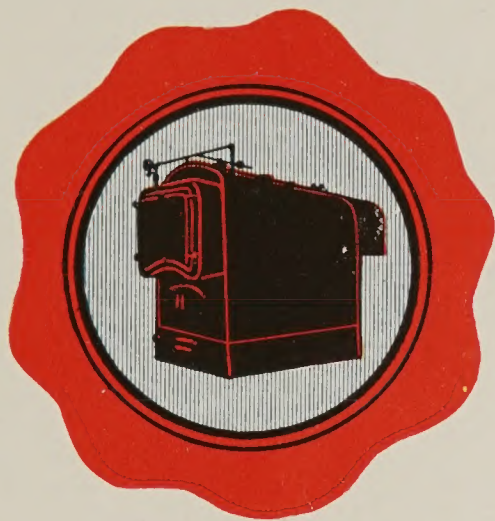
### A HIGHLY PERFECTED STEEL HEATING BOILER SERIES







# KEWANEE



## TYPE C

*Electric-Weld*

## STEEL BOILERS



TRAINLOAD SHIPMENT MADE SAME DAY ORDER IS RECEIVED

Catalog No. 84f  
Coal Burning Boilers

—Pages 2 to 8

Oil, Gas or Stoker Boilers

—Pages 9 to 12

## KEWANEE BOILER CORPORATION

*division of American Radiator & Standard Sanitary Corporation*

Head Office and Works

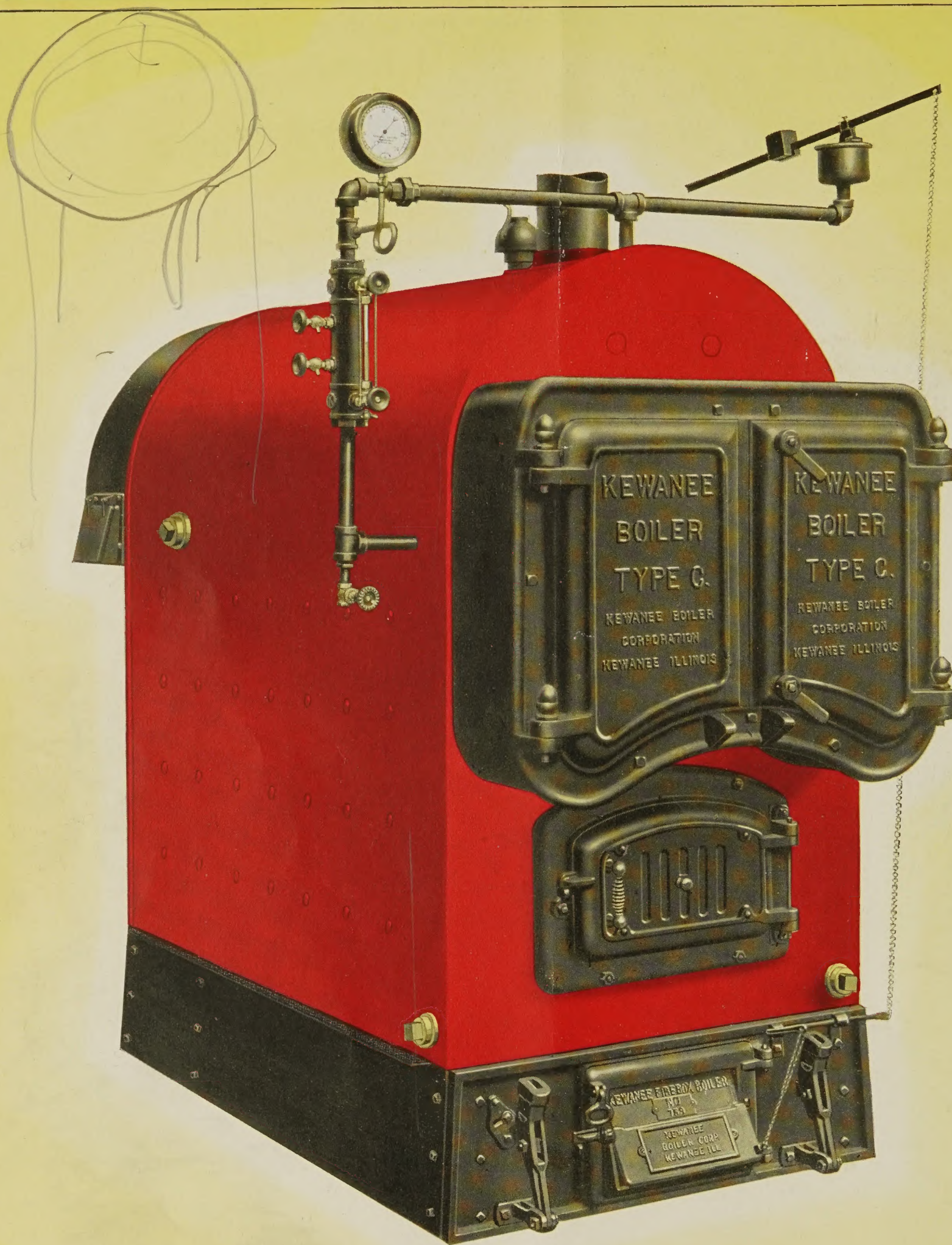
KEWANEE, ILLINOIS

MEMBER OF STEEL HEATING BOILER INSTITUTE

57 Branches listed on page 13







**K**EWANEE Type C boiler exemplifies the latest in expert thought . . . it is built of steel plate . . . seven simple shapes . . . solidly welded into a homogeneous unit by the well-proven electric metallic-arc-puddling process, same as has been used on welded details of Kewanee boilers for the past ten years or more.

The purchaser who is figuring on a simple, economical boiler that will make plenty of steam efficiently, with low expense for fuel and repairs in the actual operation **OF HEATING ALL THE RADIATION LOAD SHOWN BY ITS CAPACITY**, will find in this compact Type C boiler the reliable solution of his problem.

Particular attention is directed to an exclusive Kewanee improvement—the **CORRUGATED CROWN SHEET** shown on opposite page.



# KEWANEE STEEL BOILER *Electric-Weld* TYPE C ■ ■ ■

**K**EWANEE presents in this catalog its recent series of steel heating boilers of the more compacted shape. This particular design of boiler is not new in itself—a basic patent having been taken out in 1873—but several modifications have been brought to the front during the last few years in an attempt to fill a definite demand in the heating business for a boiler of limited bulk which may be adapted to restricted accommodations.

The Kewanee Boiler Corporation has developed some processes of manufacture through the adoption of which the inherent weaknesses of earlier models on the market have been overcome and Kewanee improvements now make it permissible to sponsor this line of the fore-shortened type of boiler fortified with the guarantee of the Kewanee name.

Type C boiler is built to the A. S. M. E. Code for low pressure heating boilers, it is a *real* boiler in construction—a scientifically designed steam generator:—

*The furnace has extra width and height. In the smokeless type an arch is arranged to promote complete combustion. The space is proportioned to handle the expanded volume of the products of combustion.*

*Long travel back and forth for the flue gases prevents them escaping up the stack at too high a temperature.*

*The water content is ample to absorb all the useful heat without undue disturbance, and rapid circulation sweeps the steam bubbles through FREE WATER WAYS provided by improved design. The water line remains steady.*

*Another improved factor keeps the top flues under the water line—in other makes the water line would be 3 or 4 inches higher under like conditions. In Type C, the disengaging area is unbroken. There is no priming and the liberation of steam is unimpeded. The steam space above has unusual height to insure a continuous flow of dry steam into the heating system.*

**CORRUGATED CROWN SHEET** has Much Greater Strength and More Heating Surface Concentrated where the Intense Heat of the Fire is put to Most Effective use for Quick Steaming.

**K**EWANEE TYPE C BOILERS all have corrugated crown sheets. This is a feature improvement in the heating boiler field evolved exclusively by Kewanee. Its practical value is not equalled by any other development on the market. In fact its application to the heating boiler firebox is one of the outstanding accomplishments in the past decade of steel boiler building.

The main advantages of the corrugated crown sheet are obvious:—

More heating surface is placed exactly where that surface is most effective in transmitting the radiant heat of the blazing fire to the water in the boiler. Quick steaming results from this greater heat absorption.

Corrugating gives much greater strength to resist the crushing effect of steam pressure; that means fewer stay bolts are needed. This extra strength makes it possible for the crown sheet to be installed right-side-up instead of inverted, as has been usual in this style of boiler. That superseded practice of inverting the crown sheet is objectionable in that mud and sediment collect in the bagged bottom where the greatest heat is applied, and there is very *ineffective* heating surface around the dead corner pockets at the top edges where soot is deposited from the fire on one side and circulation of water is interfered with on the other side.

The corrugated arched crown sheet installed right-side-up as in the Kewanee Type C boiler gives greater height for better combustion . . . . is self draining and cleaning . . . . the sediment falls to the bottom of the water legs away from the hottest zone where it may readily be washed out.

Another advantage of the corrugated surface is the ease with which it takes up expansion from the heat of the furnace and contraction caused by the rush of cold air when fire door is opened. The sinuous curves of the corrugations help to break-up and dislodge any scale which might tend to adhere to the crown sheet.

The corrugations of the crown sheet, the wide water legs and the large taper rounded corners at the top of the *One-Piece Rear Combustion Chamber* draw a larger water volume to protect the hottest parts, make for more and easier circulation and consequently insure better steaming.





KEWANEE STEEL BOILER

*Electric-Weld*

TYPE C

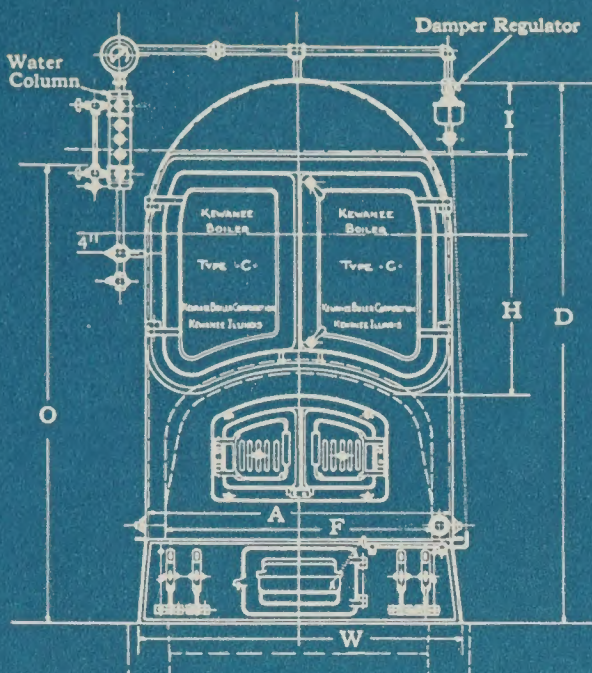
SPECIFICATIONS AND DATA  
for burning coal

|  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of Boiler . . . . .                             | 749<br>2749 | 750<br>2750 | 751<br>2751 | 752<br>2752 | 753<br>2753 | 754<br>2754 | 755<br>2755 | 756<br>2756 | 757<br>2757 | 758<br>2758 | 759<br>2759 | 760<br>2760 | 761<br>2761 | 762<br>2762 | 763<br>2763 | 764<br>2764 | 765<br>2765 | 766<br>2766 | 767<br>2767 | 768<br>2768 | 769<br>2769 | 770<br>2770 |
| Code Steam Boiler . . . . .                            | Cabby       | Cabdo       | Cabem       | Cabgy       | Cabop       | Cabur       | Cacen       | Cacip       | Cache       | Cacor       | Cacus       | Cadan       | Cadep       | Cadgo       | Cadir       | Cados       | Cadut       | Cafis       | Cafot       | Cagar       | Cahas       | Cahet       |
| Capacity, Steam Boiler . sq. ft.                       | 2300        | 2690        | 3250        | 3630        | 4060        | 4550        | 5250        | 5950        | 6470        | 7000        | 8280        | 9610        | 10850       | 12110       | 14300       | 16380       | 18660       | 20750       | 22520       | 25530       | 28780       | 33070       |
| Heating Surface . . . sq.ft.                           | 164         | 192         | 232         | 262         | 290         | 325         | 375         | 425         | 462         | 500         | 591         | 686         | 775         | 865         | 1025        | 1170        | 1333        | 1482        | 1608        | 1824        | 2056        | 2362        |
| Area of Grate . . . sq. ft.                            | 9.1         | 10.3        | 11.0        | 11.6        | 12.4        | 13.9        | 15.5        | 18.0        | 19.7        | 21.5        | 22.4        | 24.3        | 24.7        | 26.9        | 27.6        | 30.1        | 32.9        | 35.6        | 36.0        | 38.9        | 42.1        | 45.2        |
| Width of Boiler . . . . in.                            | 36          | 36          | 36          | 36          | 42          | 42          | 42          | 48          | 48          | 48          | 54          | 54          | 60          | 60          | 66          | 66          | 72          | 72          | 78          | 78          | 84          | 84          |
| Length of Boiler . . . . in.                           | 50          | 56          | 68          | 76          | 70½         | 78½         | 90          | 86½         | 94          | 101         | 89½         | 103         | 96½         | 107         | 115         | 130         | 118½        | 131         | 130         | 146½        | 131         | 149         |
| Overall Height, Floor to<br>Top of Shell . . . . . in. | 77½         | 77½         | 77½         | 77½         | 83½         | 83½         | 83½         | 86½         | 86½         | 86½         | 99          | 99          | 108½        | 108½        | 112         | 112         | 118         | 118         | 122         | 122         | 135         | 135         |
| Overall Length of<br>Boiler . . . . . ft. in.          | 5-10        | 6-4         | 7-4         | 8-0         | 7-10½       | 8-6½        | 9-6         | 9-4½        | 10-0        | 10-7        | 9-8½        | 10-10       | 10-4½       | 11-3        | 11-11       | 13-2        | 12-8½       | 13-9        | 13-8        | 15-0½       | 13-9        | 15-3        |
| Height of Water-line . . in.                           | 69          | 69          | 69          | 69          | 72          | 72          | 72          | 73          | 73          | 73          | 85          | 85          | 94          | 94          | 95          | 95          | 101         | 101         | 103         | 103         | 114         | 114         |
| Approx. Weight, Pounds . .                             | 4300        | 4700        | 5200        | 5500        | 6000        | 6500        | 7100        | 7500        | 7900        | 8300        | 10600       | 11700       | 12900       | 14000       | 16300       | 17900       | 19800       | 21300       | 22600       | 24700       | 28400       | 31300       |
| Length of Firebox . . . in.                            | 43          | 49          | 62          | 70          | 64          | 72          | 84          | 80          | 87          | 94          | 83          | 97          | 89          | 100         | 107         | 122         | 111         | 122         | 123         | 139         | 123         | 141         |
| Width of Firebox . . . in.                             | 30          | 30          | 30          | 30          | 36          | 36          | 36          | 42          | 42          | 42          | 47½         | 47½         | 52½         | 52½         | 58½         | 58½         | 64          | 64          | 70          | 70          | 76          | 76          |
| Height of Firebox . . . in.                            | 26          | 26          | 26          | 26          | 29          | 29          | 29          | 30          | 30          | 30          | 34          | 34          | 36          | 36          | 38          | 38          | 40          | 40          | 42          | 42          | 42          | 42          |
| Size of Steam Opening . . in.                          | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 8           | 10          | 10          | 10          |
| Size of Return Opening. . in.                          | 4           | 4           | 4           | 4           | 4           | 4           | 4           | 5           | 5           | 5           | 5           | 5           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           | 6           |
| Size of Safety Valve<br>Opening . . . . . in.          | 2           | 2           | 2           | 2           | 2           | 2           | 2½          | 2½          | 3           | 3           | 3           | 3½          | 3½          | 3½          | 3½          | 4           | 4           | 2-2½        | 2-2½        | 2-3         | 2-3         | 2-3         |
| Diameter of Breeching<br>One Boiler . . . . . in.      | 20          | 22          | 22          | 22          | 24          | 24          | 24          | 26          | 26          | 26          | 28          | 28          | 32          | 32          | 34          | 34          | 36          | 36          | 40          | 40          | 42          | 42          |
| Diameter of Stack,<br>One Boiler . . . . . in.         | 18          | 20          | 20          | 20          | 22          | 22          | 22          | 24          | 24          | 26          | 26          | 28          | 30          | 30          | 32          | 32          | 34          | 34          | 38          | 38          | 40          | 40          |
| Min. Height of Stack,<br>One Boiler . . . . . ft.      | 45          | 50          | 50          | 55          | 55          | 55          | 60          | 55          | 60          | 65          | 65          | 65          | 70          | 70          | 70          | 70          | 80          | 90          | 90          | 90          | 100         | 100         |
| Diameter of Breeching,<br>Two Boilers . . . . . in.    | 28          | 30          | 30          | 30          | 34          | 34          | 34          | 38          | 38          | 40          | 40          | 44          | 46          | 46          | 50          | 50          | 52          | 52          | 54          | 56          | 56          | 56          |
| Diameter of Stack,<br>Two Boilers . . . . . in.        | 26          | 28          | 28          | 28          | 31          | 31          | 31          | 34          | 34          | 36          | 36          | 40          | 42          | 42          | 46          | 46          | 48          | 48          | 52          | 54          | 54          | 54          |
| Min. Height of Stack,<br>Two Boilers . . . . . ft.     | 55          | 60          | 60          | 65          | 65          | 65          | 70          | 65          | 70          | 75          | 75          | 75          | 80          | 80          | 80          | 80          | 90          | 100         | 100         | 100         | 110         | 110         |
| Outside Surface to<br>Cover . . . . . sq. ft.          | 62          | 68          | 80          | 89          | 93          | 102         | 115         | 119         | 128         | 136         | 145         | 165         | 172         | 187         | 210         | 234         | 231         | 252         | 265         | 294         | 294         | 328         |

Boiler Numbers 749 to 770 are for Bituminous Coal, and Nos. 2749 to 2770 are for Anthracite Coal.  
Rated Capacity for Water Boiler is 60% Greater than Capacity of Steam Boiler.  
For Water Boiler and Anthracite add word to code; example: Ship today one ANTHRACITE CABEM WATER complete.





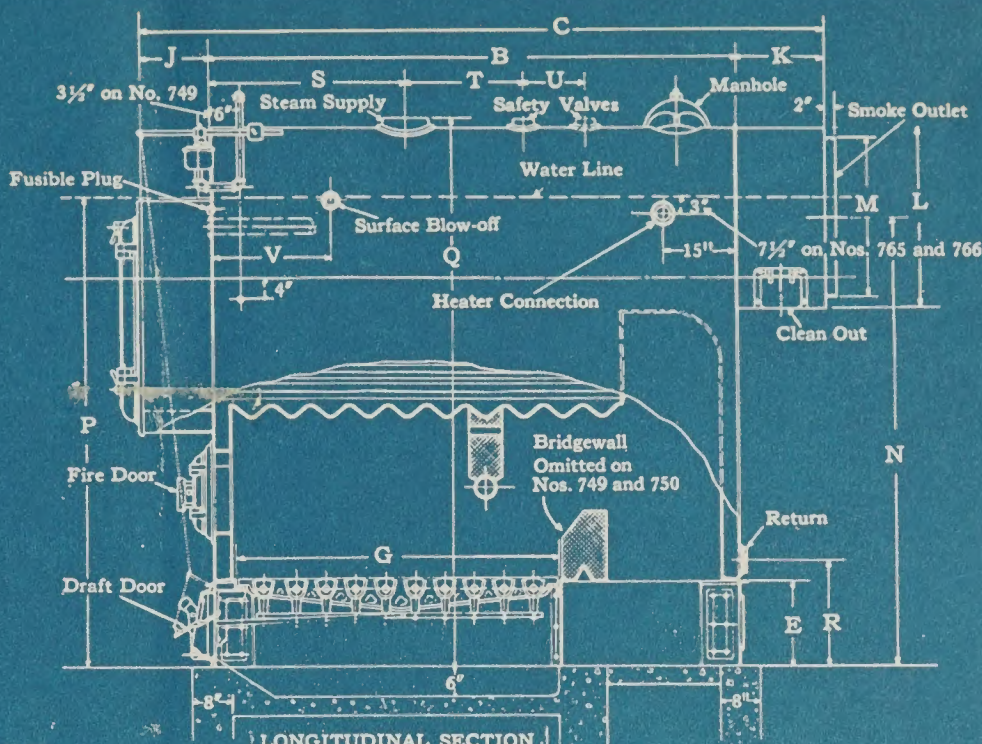


# KEWANEE STEEL BOILER

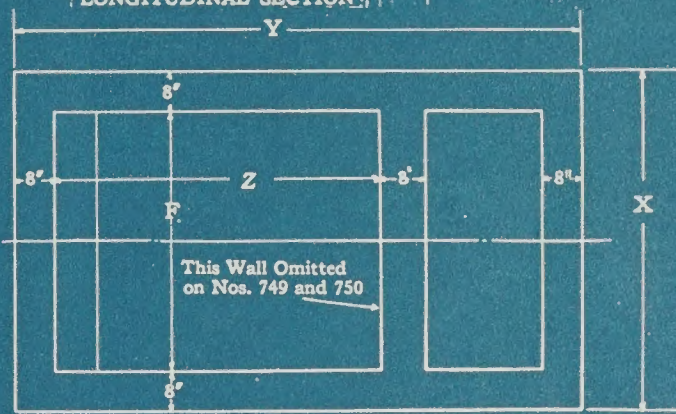
*Electric-Weld*  
**TYPE C**

FOR BURNING BITUMINOUS COAL  
 Numbers 749 to 770  
 Smokeless Type with Arch and Drum  
 FOR BURNING ANTHRACITE COAL  
 Numbers 2749 to 2770

Section showing setting and foundation



LONGITUDINAL SECTION



FOUNDATION PLAN

## SETTING AND BOILER MEASUREMENTS

for burning coal

| Number of Boiler . . . . .                                 | 749<br>2749 | 750<br>2750 | 751<br>2751 | 752<br>2752 | 753<br>2753 | 754<br>2754 | 755<br>2755 | 756<br>2756 | 757<br>2757 | 758<br>2758 | 759<br>2759 | 760<br>2760 | 761<br>2761 | 762<br>2762 | 763<br>2763 | 764<br>2764 | 765<br>2765 | 766<br>2766 | 767<br>2767 | 768<br>2768 | 769<br>2769 | 770<br>2770 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A—Width of Boiler . . . . . in.                            | 36          | 36          | 36          | 36          | 42          | 42          | 42          | 48          | 48          | 48          | 54          | 54          | 60          | 60          | 66          | 66          | 72          | 72          | 78          | 78          | 84          | 84          |
| B—Length of Boiler . . . . . ft. in.                       | 4-2         | 4-8         | 5-8         | 6-4         | 5-10½       | 6-6½        | 7-6         | 7-2½        | 7-10        | 8-5         | 7-5½        | 8-7         | 8-0½        | 8-11        | 9-7         | 10-10       | 9-10½       | 10-11       | 10-10       | 12-2½       | 10-11       | 12-5        |
| C—Overall Length of Boiler . ft. in.                       | 5-10        | 6-4         | 7-4         | 8-0         | 7-10½       | 8-6½        | 9-6         | 9-4½        | 10-0        | 10-7        | 9-8½        | 10-10       | 10-4½       | 11-3        | 11-11       | 13-2        | 12-8½       | 13-9        | 13-8        | 15-0½       | 13-9        | 15-3        |
| D—Overall Height of Boiler . . in.                         | 77½         | 77½         | 77½         | 77½         | 83½         | 83½         | 83½         | 86½         | 86½         | 86½         | 99          | 99          | 108½        | 108½        | 112         | 112         | 118         | 118         | 122         | 122         | 135         | 135         |
| E—Height of Ash-Pit Base . . . in.                         | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 14          | 17          | 17          | 17          | 17          | 17          | 17          | 17          | 17          | 21          | 21          |
| F—Width of Grates and Ash-Pit . in.                        | 30          | 30          | 30          | 30          | 36          | 36          | 36          | 42          | 42          | 42          | 47½         | 47½         | 52½         | 52½         | 58½         | 58½         | 64          | 64          | 70          | 70          | 76          | 76          |
| G—Length of Grates . . . . . in.                           | 43          | 49          | 56          | 56          | 50          | 56          | 62          | 62          | 68          | 74          | 68          | 74          | 68          | 74          | 68          | 74          | 74          | 80          | 74          | 80          | 80          | 86          |
| H—Height of Front Smokebox . in.                           | 34          | 34          | 34          | 34          | 34          | 34          | 34          | 40          | 40          | 40          | 42          | 42          | 48          | 48          | 48          | 48          | 51          | 51          | 52          | 52          | 61          | 61          |
| I—Top of Front Smoke-box to<br>Top of Boiler . . . . . in. | 10          | 10          | 10          | 10          | 13          | 13          | 13          | 8           | 8           | 8           | 16          | 16          | 16          | 16          | 18          | 18          | 17          | 17          | 19          | 19          | 21          | 21          |
| J—Depth of Front Smoke-box . in.                           | 9           | 9           | 9           | 9           | 10          | 10          | 10          | 11          | 11          | 11          | 12          | 12          | 12          | 12          | 12          | 12          | 14          | 14          | 14          | 14          | 14          | 14          |
| K—Depth of Rear Smokebox . in.                             | 11          | 11          | 11          | 11          | 14          | 14          | 14          | 15          | 15          | 15          | 15          | 15          | 16          | 16          | 16          | 16          | 20          | 20          | 20          | 20          | 20          | 20          |
| L—Height of Rear Smoke-box . in.                           | 26          | 26          | 26          | 26          | 29          | 29          | 29          | 31½         | 31½         | 31½         | 35          | 35          | 36          | 36          | 39          | 39          | 43          | 43          | 45½         | 45½         | 49½         | 49½         |
| M—Diameter of Smoke Outlet . in.                           | 20          | 22          | 22          | 22          | 24          | 24          | 24          | 26          | 26          | 26          | 28          | 28          | 32          | 32          | 34          | 34          | 36          | 36          | 40          | 40          | 42          | 42          |
| N—Height Smoke Outlet Above<br>Floor . . . . . in.         | 64½         | 64½         | 64½         | 64½         | 69          | 69          | 69          | 70          | 70          | 70          | 81½         | 81½         | 90½         | 90½         | 93          | 93          | 96          | 96          | 99          | 99          | 110         | 110         |
| O—Height of Water Column . . in.                           | 65½         | 65½         | 65½         | 65½         | 68          | 68          | 68          | 70          | 70          | 70          | 81          | 81          | 90          | 90          | 92          | 92          | 97½         | 97½         | 99½         | 99½         | 110½        | 110½        |
| P—Height of Water Line . . . in.                           | 69          | 69          | 69          | 69          | 72          | 72          | 72          | 73          | 73          | 73          | 85          | 85          | 94          | 94          | 95          | 95          | 101         | 101         | 103         | 103         | 114         | 114         |
| Q—Height of Steam Supply . . . in.                         | 79½         | 79½         | 79½         | 79½         | 85½         | 85½         | 85½         | 88½         | 88½         | 88½         | 101         | 101         | 110½        | 110½        | 113½        | 113½        | 119½        | 119½        | 123½        | 123½        | 137         | 137         |
| R—Height of Return . . . . . in.                           | 18          | 18          | 18          | 18          | 18          | 18          | 18          | 19          | 19          | 19          | 19          | 19          | 22          | 22          | 22          | 22          | 22          | 22          | 22          | 22          | 26          | 26          |
| S—Location of Steam Supply . . in.                         | 10½         | 14          | 14          | 16          | 14          | 16          | 18          | 18          | 18          | 18          | 18          | 21          | 18          | 21          | 18          | 21          | 21          | 21          | 21          | 21          | 21          | 24          |
| T—Location of 1st Safety Valve . in.                       | 8½          | 10          | 10          | 10          | 10          | 10          | 11          | 14          | 14          | 14          | 13          | 14          | 13          | 14          | 13          | 14          | 14          | 14          | 14          | 14          | 14          | 15          |
| U—Location of 2nd Safety Valve . in.                       |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | 10          | 10          | 11          | 11          | 12          |
| V—Location of Surface Blow-off . in.                       | 12          | 12          | 12          | 12          | 12          | 12          | 12          | 12          | 12          | 12          | 18          | 24          | 24          | 24          | 24          | 24          | 24          | 24          | 24          | 24          | 24          | 24          |
| W—Width of Base . . . . . in.                              | 41½         | 41½         | 41½         | 41½         | 47½         | 47½         | 47½         | 53½         | 53½         | 53½         | 59½         | 59½         | 66          | 66          | 72          | 72          | 78          | 78          | 84          | 84          | 90½         | 90½         |
| X—Width of Foundation . . . in.                            | 46          | 46          | 46          | 46          | 52          | 52          | 52          | 58          | 58          | 58          | 63½         | 63          | 68½         | 68½         | 74½         | 74½         | 80          | 80          | 86          | 86          | 92          | 92          |
| Y—Length of Foundation . . . in.                           | 53½         | 59½         | 71½         | 80          | 74½         | 82½         | 94          | 90          | 97½         | 104½        | 93½         | 107         | 100½        | 111         | 119         | 134         | 122½        | 135         | 134         | 150½        | 135         | 153         |
| Z—Length of Ash-pit . . . . . in.                          | 37½         | 43½         | 51          | 51          | 45          | 51          | 57          | 57          | 63          | 69          | 63          | 69          | 64          | 70          | 64          | 70          | 76½         | 76½         | 70          | 76½         | 82½         | 82½         |

Manhole on Nos. 759, 2759 and larger.



# KEWANEE

*Electric-Weld*



## SMOKELESS TYPE C WITH ARCH AND DRUM For Burning Coal

Numbers 749 to 770—to Heat 2300 to 33,070 Sq. Ft. of Equivalent Direct Radiation

**EQUIPMENT**—Base Complete including Ash Pit Door with Balanced Draft Door and Rear Cleanout Opening; Heavy Rocking Grates; Bridge Wall Firebrick; Refractory Filler for Header; Fire Door, Frame and Liner; Refractory Lined Flue Door, and Frame; Smoke Box Soot Cleanout Doors; Firing Tools consisting of Hoe, Poker, Slice Bar and Tube Scraper.

**Trimming for Steam Boiler**—Water Column with Water Gauge and two or three Compression Gauge Cocks; Steam Gauge with Syphon and Cock; Pop Safety Valve (or Valves); and Automatic ARCO Draft Regulator with Levers, Weights, Pulleys and Chains. No trimmings of any kind furnished with water boilers.





# STEEL BOILER TYPE C

## DESIGN AND CONSTRUCTION CHARACTERISTICS

### Material:

The component parts consist of only seven simple shapes compacted together so as to limit the bulk and shorten the seams.

Flange steel plate, extra thickness is used. Tensile strength 50,000 to 60,000 pounds per square inch. This boiler plate is of homogeneous quality with high ductility and low carbon content (not exceeding 0.20%) as required for sound arc fusion welds.

### Construction:

The requirements of the A. S. M. E. Code for low pressure heating boilers are fully complied with.

In building Type C boilers there is applied all the skill in manufacture and all the approved procedure evolved by expert boiler makers throughout forty years of continuous practical experience. Fanciful and untried kinks are eliminated and a high degree of workmanship is assured with no unnecessary shop expense. Contact surfaces on door castings are ground to dust-proof finish.

### Performance:

Positive proof of actual performance beyond the specified duty is to be found in the figures derived from extended tests on the Type C boiler series made at Kewanee Boiler Corporation laboratory under practical operating conditions. The knowledge gained from this research has been so well applied in the design that the completed product carries handily all radiation loads up to the full catalog rating *plus*, for each size, with high efficiency.

### Backing:

The name KEWANEE means as much on the new Type C boiler as it has meant for nearly half a century on all Kewanee boilers. That is, the dependable heating service of Type C boilers is guaranteed by Kewanee.

Foundation: Weight of boiler is supported on four corner posts of the base. Footings may be required, depending on soil conditions.  
Covering: Outside insulation material not furnished by K. B. Corp. 100 lbs. of magnesia will cover 15 sq. ft. of surface 1½" thick.

### Uniform Rating

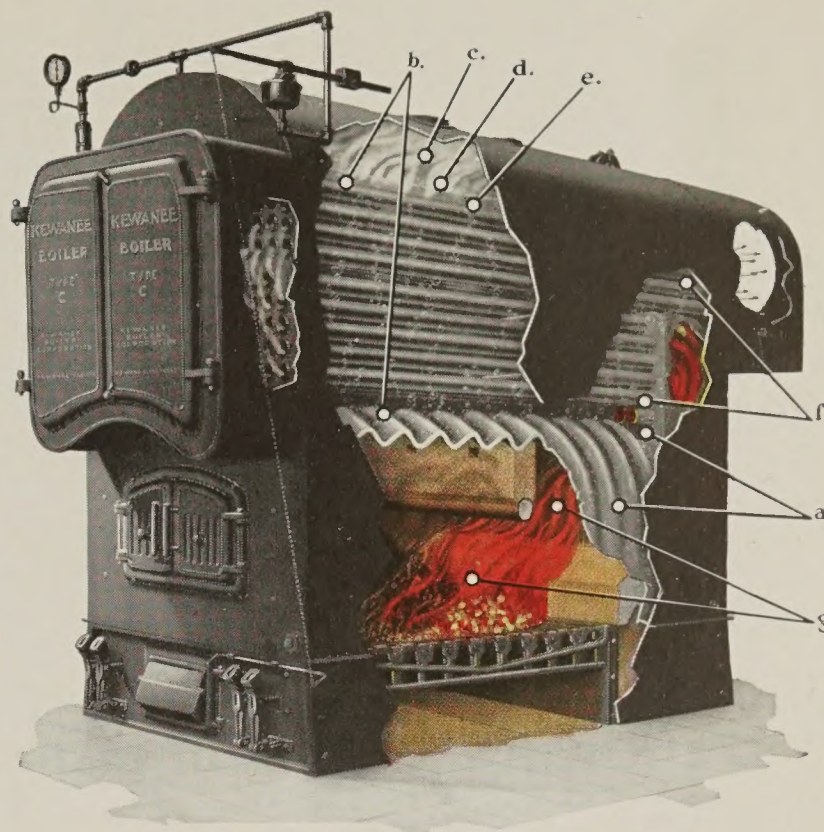
"The ratings published in this catalog are in conformity with the Steel Heating Boiler Institute's Code for Rating Low Pressure Heating Boilers."

Type C rating is Total Radiation Load at boiler outlet expressed in equivalent surface of cast iron radiators emitting 240 units of heat or B. T. U.'s per square foot per hour for Steam, at 2 lbs. pressure and 150 B. T. U. for Water at 180 degrees temperature.

Total Radiation Load corresponds with the estimated design load which is the sum of 3 items—

1. Normal heat emission of connected radiation required to heat the building to 70 degrees.
2. Maximum heat required for water heaters and other apparatus.
3. Heat emission of all mains and piping connections.

Provided the stack and breeching connections are in accordance with the manufacturer's specification, each Type C Boiler will carry all the radiation load listed as its capacity, and in addition will easily handle large overloads with long firing periods and with low stack temperatures.



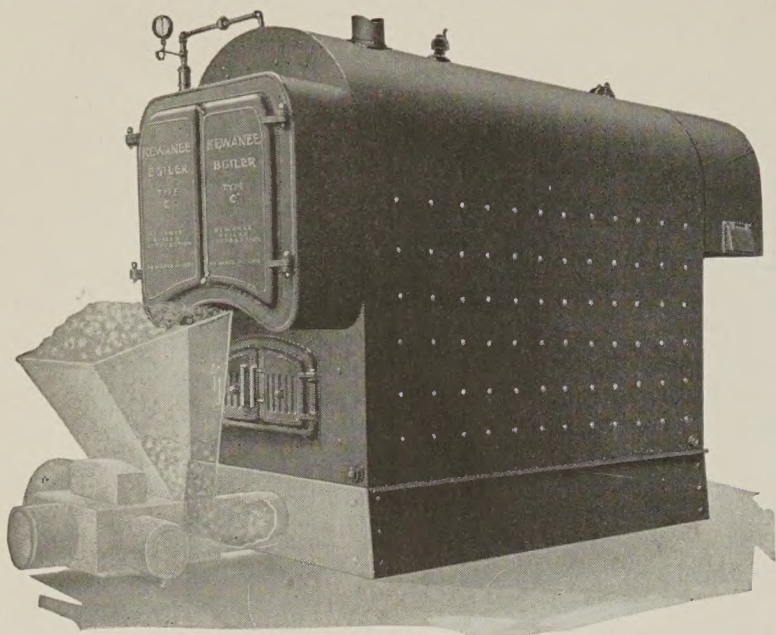
### Design:

Distribution of the materials of construction is so arranged to concentrate most of the effective heating surface around the hot fire zone with a consequent quick transfer of more heat to the water.

- a. The water content is sub-divided so that there is ample volume at all the hottest parts, and aided by the header all the water is kept in active circulation, sweeping steam bubbles from the heating surfaces as fast as they are formed thus permitting the absorption of more of the useful heat of combustion.
- b. Although the circulation is rapid it is so orderly that the water level remains steady. There is no danger of a dry crown sheet. No moisture or slugs of water are carried over into the steam main.
- c. With the high and wide steam space which is provided, there is plenty of room for a reserve supply of dry steam.
- d. The disengaging area at the surface of the water line is unbroken and is large enough to prevent priming which otherwise might be caused by crowding the expanded bubbles at the moment steam is liberated. In other makes the flues interfere with the liberation of steam as the water line is artificially lowered below the upper flues which in consequence cannot even make steam.
- e. But in the Type C boiler the top rows of flues are under water, all the flues are effective in making steam.
- f. Grouping the flues in banks not only permits free circulation of water all around them, but it also offsets any tendency for sediment to become deposited and lodged thereon. The expanded gases are thoroughly strained through these nests of flues so that as much heat as possible is sifted out during their travel to and fro their full length.
- g. In order to promote perfect combustion, there is extra width and height both in the furnace and in the rear combustion chamber. This gives time for enough air to penetrate the fuel and mingle with the products of combustion. An arch is arranged to deflect any unburnt gases over the glowing fuel bed at the rear. In this way combustion is completed and smoke is eliminated at all loads.







Type C Boiler with Typical Stoker attachment  
Numbers 1749 to 1770—to Heat 2790 to 40,200 Sq. Ft.  
of Equivalent Direct Radiation

# KEWANEE STEEL BOILER

*Electric-Weld*

## TYPE C

### FOR COAL, OIL, GAS OR STOKER FIRING

The question what fuel to use may be paramount for the users of other makes of boilers but not so for the purchaser of Type C.

The owner of a Kewanee Compact Style Heating Unit has no difficulty with any fuel. The most available will serve best. Even a change-over from one fuel to another presents no complications.

With this wide adaptability in reserve, the customer may choose any of the Solid Fuels in various grades. Bituminous Soft Coals either for Hand Firing or with modern Stoker feed attachments. Powdered coal, briquettes, coke or processed fuels may be provided for as also may Anthracite Hard Fuel.

For Liquid Fuel any oil burner on the market will perform at its best with Type C.

Wherever Gaseous Fuel is practicable, Natural Gas or the manufactured and synthetic varieties have been used for years with outstanding results under Kewanee Boilers. Those performances are not mere claims. The highly economical results are deduced from careful observations in elaborate tests.

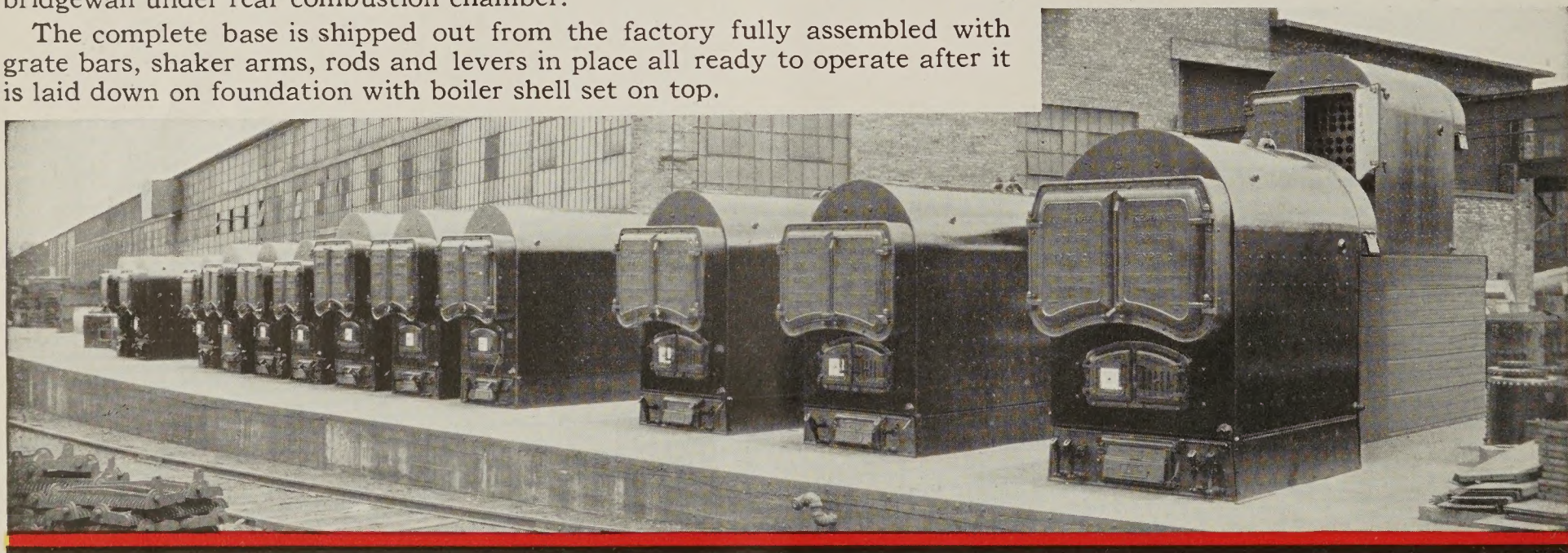
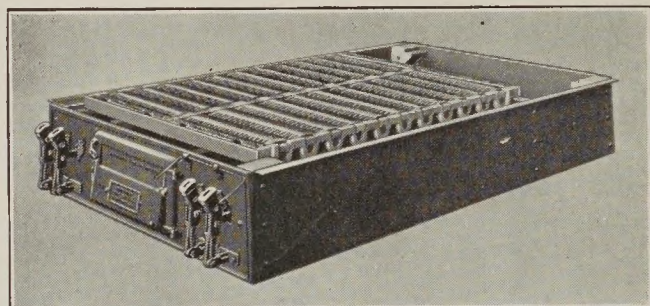
#### BASE GOES INTO BASEMENT ALL READY ASSEMBLED

Type C base consists of four substantial cast iron corner posts which take the weight of the boiler. The front plate is cast iron with balanced draft door and hinged frame which swings open to facilitate cleaning out the ash pit.

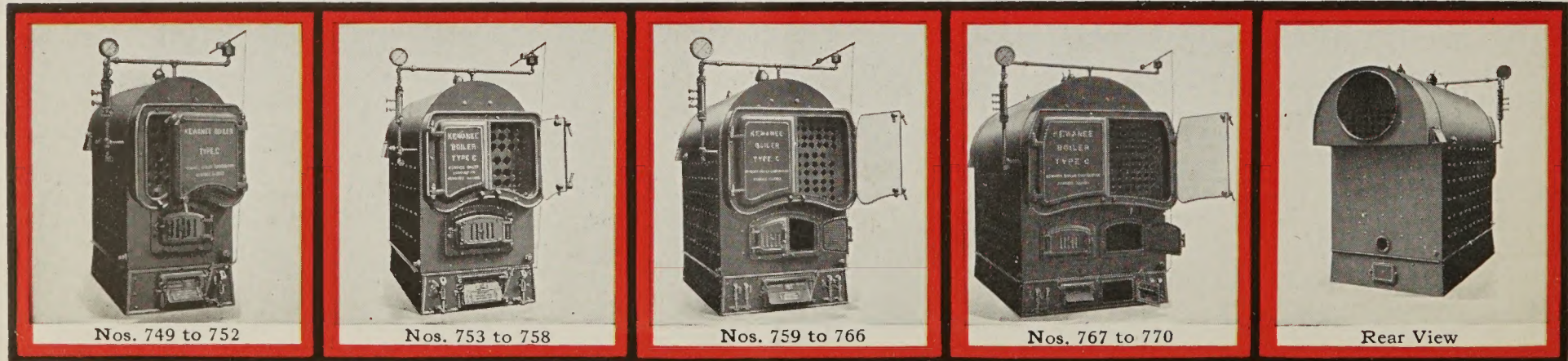
The sides and back are heavy steel plate flanged over at top to hold boiler cover and for additional strength at bottom also in latest models, tho not shown in cuts.

Opening at rear has removable cover plate to permit cleaning out back of bridgewall under rear combustion chamber.

The complete base is shipped out from the factory fully assembled with grate bars, shaker arms, rods and levers in place all ready to operate after it is laid down on foundation with boiler shell set on top.



Type C Boilers 750 to 761 on loading platform. The 4 styles below cover complete Series 749-770



Nos. 749 to 752

Nos. 753 to 758

Nos. 759 to 766

Nos. 767 to 770

Rear View



# KEWANEE STEEL BOILER

*Electric-Weld*

## TYPE C



**EQUIPMENT**—Base with four cast-iron corner posts, heavy steel flanged sides with rear cleanout opening; cast-iron front plate (not shown); fire door(s), frame and Liner(s); Refractory lined flue door(s) and frame; smokebox and soot cleanout doors, tube scraper. Steel plate for mounting oil burners and for dampered hearth openings not furnished by K. B. Corp.

**Trimmings for Steam Boiler**—Water column with water gauge and three (or 2) compression gauge cocks; steam gauge with syphon and cock; pop safety valve(s). No trimmings of any kind furnished with water boilers.

## DIRECT DRAFT For Oil and Gas or Stoker Firing

Numbers 1749 to 1770—  
to Heat 2790 to 40,200 Sq. Ft. of  
Equivalent Direct Radiation

**T**HE same predominant qualities which make the Kewanee Type C Boiler so well adapted for burning coal, apply just as emphatically in making this boiler suitable for burning oil and gas, or for stokers.

Extensive tests have been carried on in the laboratory at Kewanee during the last five or six years with the purpose of developing ideal conditions as to boiler settings, furnace requirements, etc., for burning oil or gas with satisfactory results under all types and sizes of Kewanee boilers when equipped with leading commercial oil and gas burners.

In view of the remarkably high efficiencies attained in numerous instances, we feel that Kewanee is well qualified to give expert advice to customers regarding the methods of installing any burners of recognized standing, for either front or rear firing. As a matter of fact, blue prints will be cheerfully furnished showing foundation and setting plan recommended in each particular instance.

It has become an axiom with experts in heating that "if you burn oil and expect to get steam, you must have a boiler that will steam just as well with coal or any other fuel." That is precisely what the Type C steel boiler will do. It will give very high figures for efficiency with any kind of fuel.

And whatever fuel may be under consideration, the purchaser is sure of an economical "buy" in the Kewanee Type C steel boiler. That is to say the first cost will be moderate and the upkeep cost which includes both fuel bill and repairs will be low. Every dollar expended for fuel will produce a high percentage of heat units.

The strong steel plate construction consisting of simple shapes compactly united by the electric-weld method is done in the same shops where the well known Kewanee boilers have been made for 50 years. This is a guarantee that nothing is skimmed in workmanship on Type C boilers.

The well balanced features which make Type C a real boiler, designed on the scientific principles enumerated on previous pages, of the coal burning section in this catalog, also hold good for the oil burning boiler, proving its ability to fulfill a definite demand in the heating business for a boiler of minimum advisable dimensions for handling the load for which it is rated.

Type C Oil Burning Boiler Settings—Front or Rear Fired





KEWANEE STEEL BOILER



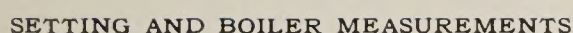
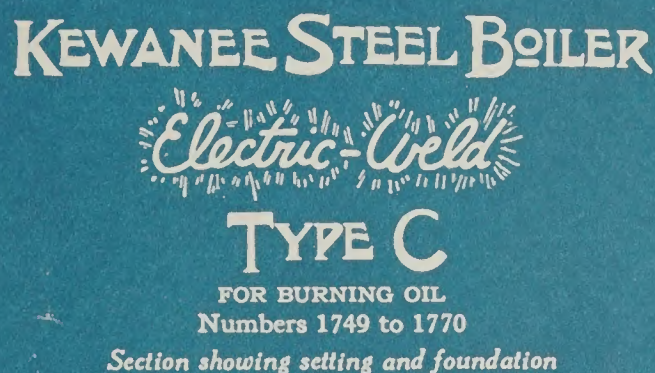
TYPE C

SPECIFICATIONS AND DATA  
for oil, gas or stoker

|  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Number of Boiler . . . . .                             | 1749  | 1750  | 1751  | 1752  | 1753  | 1754  | 1755  | 1756  | 1757  | 1758  | 1759  | 1760  | 1761  | 1762  | 1763  | 1764  | 1765  | 1766  | 1767  | 1768  | 1769  | 1770  |
| Code Steam Boiler . . . . .                            | Cobby | Cobdo | Cobem | Cobgy | Cobop | Cobur | Cocen | Cocip | Coche | Cocor | Cocus | Codan | Codep | Codgo | Codir | Codos | Codut | Cofis | Cofot | Cogar | Cohas | Cohet |
| Capacity, Steam Boiler . sq. ft.                       | 2790  | 3260  | 3940  | 4450  | 4930  | 5520  | 6370  | 7220  | 7850  | 8500  | 10040 | 11670 | 13180 | 14700 | 17420 | 19880 | 22650 | 25200 | 27300 | 31000 | 34900 | 40200 |
| Heating Surface . . . sq. ft.                          | 164   | 192   | 232   | 262   | 290   | 325   | 375   | 425   | 462   | 500   | 591   | 686   | 775   | 865   | 1025  | 1170  | 1333  | 1482  | 1608  | 1824  | 2056  | 2362  |
| Furnace Volume . . . cu. ft.                           | 24.0  | 26.8  | 31.1  | 35.7  | 44.0  | 47.6  | 52.1  | 63.5  | 69.1  | 74.5  | 86.7  | 96.0  | 113.1 | 124.8 | 151.1 | 168.8 | 185.9 | 201.0 | 230.6 | 256.0 | 275.7 | 309.6 |
| Width of Boiler . . . . in.                            | 36    | 36    | 36    | 36    | 42    | 42    | 42    | 48    | 48    | 48    | 54    | 54    | 60    | 60    | 66    | 66    | 72    | 72    | 78    | 78    | 84    | 84    |
| Length of Boiler . . . . in.                           | 50    | 56    | 68    | 76    | 70½   | 78½   | 90    | 86½   | 94    | 101   | 89½   | 103   | 96½   | 107   | 115   | 130   | 118½  | 131   | 130   | 146½  | 131   | 149   |
| Overall Height, Floor to<br>Top of Shell . . . . . in. | 77½   | 77½   | 77½   | 77½   | 83½   | 83½   | 83½   | 86½   | 86½   | 86½   | 99    | 99    | 108½  | 108½  | 112   | 112   | 118   | 118   | 122   | 122   | 135   | 135   |
| Overall Length of<br>Boiler . . . . . ft. in.          | 5-10  | 6-4   | 7-4   | 8-0   | 7-10½ | 8-6½  | 9-6   | 9-4½  | 10-0  | 10-7  | 9-8½  | 10-10 | 10-4½ | 11-3  | 11-11 | 13-2  | 12-8½ | 13-9  | 13-8  | 15-0½ | 13-9  | 15-3  |
| Height of Water-line . . in.                           | 69    | 69    | 69    | 69    | 72    | 72    | 72    | 73    | 73    | 73    | 85    | 85    | 94    | 94    | 95    | 95    | 101   | 101   | 103   | 103   | 114   | 114   |
| Approx. Weight, Pounds . .                             | 3600  | 3800  | 4200  | 4600  | 5000  | 5400  | 5900  | 6300  | 6700  | 7100  | 8800  | 9600  | 10600 | 11500 | 13700 | 15100 | 16600 | 17800 | 19200 | 21100 | 24300 | 27000 |
| Length of Firebox . . . . in.                          | 43    | 49    | 62    | 70    | 64    | 72    | 84    | 80    | 87    | 94    | 83    | 97    | 89    | 100   | 107   | 122   | 111   | 122   | 123   | 139   | 123   | 141   |
| Width of Firebox . . . . in.                           | 30    | 30    | 30    | 30    | 36    | 36    | 36    | 42    | 42    | 42    | 47½   | 47½   | 52½   | 52½   | 58½   | 58½   | 64    | 64    | 70    | 70    | 76    | 76    |
| Height of Firebox . . . . in.                          | 26    | 26    | 26    | 26    | 29    | 29    | 29    | 30    | 30    | 30    | 34    | 34    | 36    | 36    | 38    | 38    | 40    | 40    | 42    | 42    | 42    | 42    |
| Size of Steam Opening . . in.                          | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 10    | 10    | 10    |
| Size of Return Opening . in.                           | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 5     | 5     | 5     | 5     | 5     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     |
| Size of Safety Valve<br>Opening . . . . . in.          | 2     | 2     | 2     | 2     | 2     | 2     | 2½    | 2½    | 3     | 3     | 3     | 3½    | 3½    | 3½    | 3½    | 4     | 4     | 2-2½  | 2-2½  | 2-3   | 2-3   | 2-3   |
| Diameter of Breeching,<br>One Boiler . . . . . in.     | 18    | 18    | 20    | 20    | 22    | 22    | 22    | 24    | 24    | 25    | 25    | 27    | 29    | 29    | 31    | 31    | 32    | 34    | 36    | 36    | 39    | 39    |
| Diameter of Stack,<br>One Boiler . . . . . in.         | 16    | 16    | 18    | 18    | 20    | 20    | 20    | 22    | 22    | 23    | 23    | 25    | 27    | 27    | 29    | 29    | 30    | 32    | 34    | 34    | 36    | 36    |
| Min. Height of Stack,<br>One Boiler . . . . . ft.      | 35    | 35    | 40    | 45    | 40    | 45    | 50    | 50    | 55    | 60    | 50    | 55    | 50    | 55    | 65    | 70    | 75    | 85    | 85    | 90    | 85    | 90    |
| Diameter of Breeching,<br>Two Boilers . . . . . in.    | 25    | 25    | 27    | 27    | 30    | 30    | 30    | 32    | 32    | 34    | 34    | 36    | 39    | 39    | 43    | 43    | 45    | 47    | 49    | 49    | 52    | 52    |
| Diameter of Stack,<br>Two Boilers . . . . . in.        | 23    | 23    | 25    | 25    | 28    | 28    | 28    | 30    | 30    | 32    | 32    | 34    | 36    | 36    | 40    | 40    | 42    | 44    | 46    | 46    | 48    | 48    |
| Min. Height of Stack,<br>Two Boilers . . . . . ft.     | 45    | 45    | 50    | 55    | 50    | 55    | 60    | 60    | 65    | 70    | 60    | 65    | 60    | 65    | 75    | 80    | 85    | 95    | 95    | 100   | 95    | 100   |
| Number of Fire Brick<br>Required . . . . .             | 290   | 320   | 350   | 390   | 450   | 470   | 490   | 460   | 490   | 520   | 610   | 640   | 720   | 770   | 800   | 850   | 920   | 960   | 990   | 1050  | 1220  | 1300  |
| Outside Surface to<br>Cover . . . . . sq. ft.          | 62    | 68    | 80    | 89    | 93    | 102   | 115   | 119   | 128   | 136   | 145   | 165   | 172   | 187   | 210   | 234   | 231   | 252   | 265   | 294   | 294   | 328   |

Rated Capacity for Water Boiler is 60% Greater than Capacity of Steam Boiler  
For Water add word to code; example: Ship today one COBEM WATER complete.





## FRONT FIRED

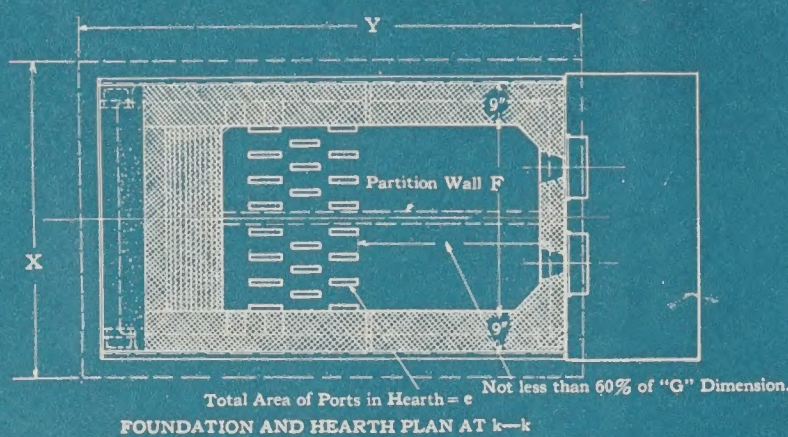
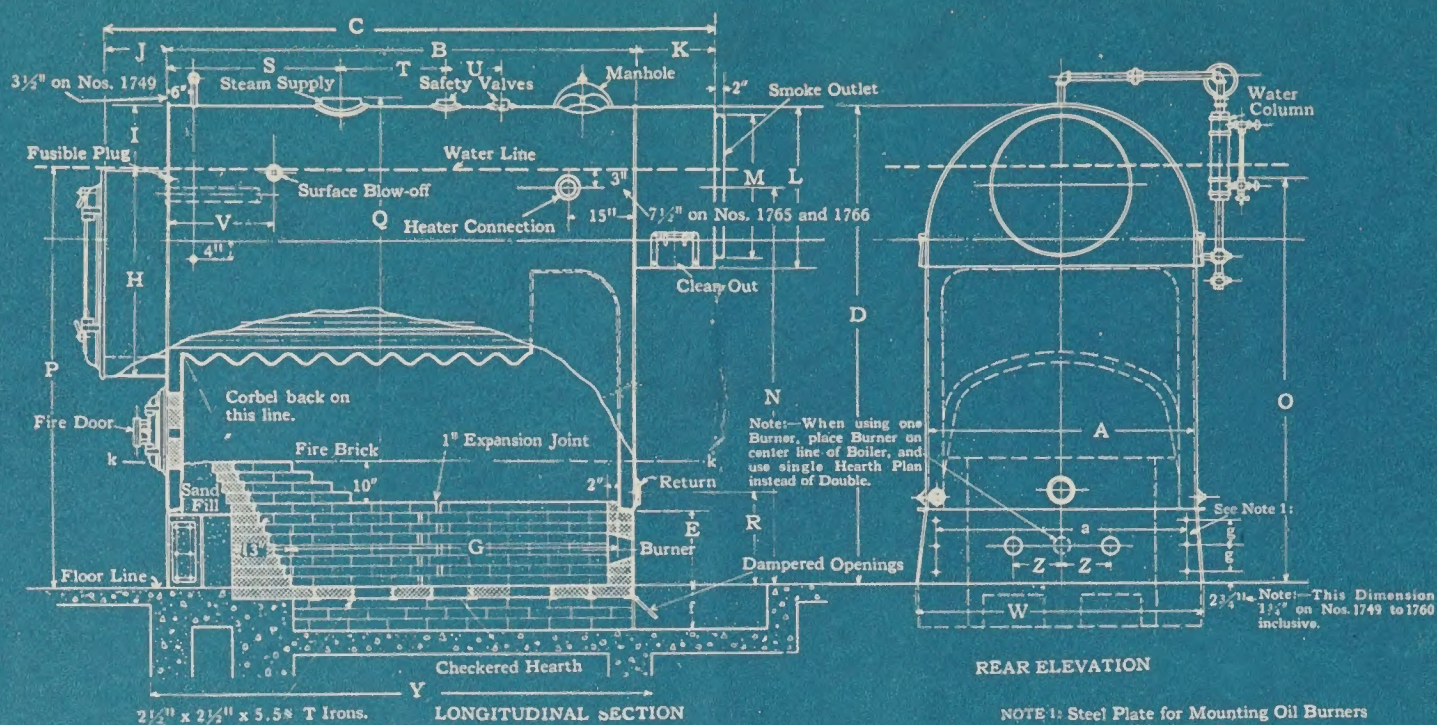
for oil, gas or stoker

[illegible]

Manhole on Nos. 1759 and larger.







# KEWANEE STEEL BOILER

*Electric-Weld*

**TYPE C**

Rear Fired

Numbers 1749 to 1770

Section showing setting plan and foundation

## SETTING AND BOILER MEASUREMENTS

## REAR FIRED

## FOR OIL, GAS OR STOKER

| Number of Boiler                               | 1749   | 1750   | 1751   | 1752   | 1753     | 1754    | 1755   | 1756    | 1757   | 1758    | 1759    | 1760   | 1761     | 1762    | 1763   | 1764   | 1765     | 1766   | 1767   | 1768     | 1769    | 1770    |
|--|--------|--------|--------|--------|----------|---------|--------|---------|--------|---------|---------|--------|----------|---------|--------|--------|----------|--------|--------|----------|---------|---------|
| A—Width of Boiler . . . in.                    | 36     | 36     | 36     | 36     | 42       | 42      | 42     | 48      | 48     | 48      | 54      | 54     | 60       | 60      | 66     | 66     | 72       | 72     | 78     | 78       | 84      | 84      |
| B—Length of Boiler . . ft. in.                 | 4-2    | 4-8    | 5-8    | 6-4    | 5-10 1/2 | 6-6 1/2 | 7-6    | 7-2 1/2 | 7-10   | 8-5     | 7-5 1/2 | 8-7    | 8-0 1/2  | 8-11    | 9-7    | 10-10  | 9-10 1/2 | 10-11  | 10-10  | 12-2 1/2 | 10-11   | 12-5    |
| C—Overall Length of Boiler . . . ft. in.       | 5-10   | 6-4    | 7-4    | 8-0    | 7-10 1/2 | 8-6 1/2 | 9-6    | 9-4 1/2 | 10-0   | 10-7    | 9-8 1/2 | 10-10  | 10-4 1/2 | 11-3    | 11-11  | 13-2   | 12-8 1/2 | 13-9   | 13-8   | 15-0 1/2 | 13-9    | 15-3    |
| D—Overall Height of Boiler . . . in.           | 77 1/2 | 77 1/2 | 77 1/2 | 77 1/2 | 83 1/2   | 83 1/2  | 83 1/2 | 86 1/2  | 86 1/2 | 86 1/2  | 99      | 99     | 108 1/2  | 108 1/2 | 112    | 112    | 118      | 118    | 122    | 122      | 135     | 135     |
| E—Height of Base . . . in.                     | 14     | 14     | 14     | 14     | 14       | 14      | 14     | 14      | 14     | 14      | 14      | 14     | 17       | 17      | 17     | 17     | 17       | 17     | 17     | 17       | 21      | 21      |
| F—Width of Furnace . . in.                     | 18     | 18     | 18     | 18     | 24       | 24      | 24     | 30      | 30     | 30      | 36      | 36     | 42       | 42      | 48     | 48     | 54       | 54     | 60     | 60       | 66      | 66      |
| G—Length of Furnace . . in.                    | 37     | 43     | 50     | 60     | 54       | 58      | 62     | 57      | 63     | 69      | 68      | 74     | 68       | 76      | 72     | 81     | 85       | 92     | 88     | 98       | 98      | 110     |
| H—Height of Front Smokebox . . in.             | 34     | 34     | 34     | 34     | 34       | 34      | 34     | 40      | 40     | 40      | 42      | 42     | 48       | 48      | 48     | 48     | 51       | 51     | 52     | 52       | 61      | 61      |
| I—Top of Front Smokebox to Top of Boiler . in. | 10     | 10     | 10     | 10     | 13       | 13      | 13     | 8       | 8      | 8       | 16      | 16     | 16       | 16      | 18     | 18     | 17       | 17     | 19     | 19       | 21      | 21      |
| J—Dpth. Front Smokebox in.                     | 9      | 9      | 9      | 9      | 10       | 10      | 10     | 11      | 11     | 11      | 12      | 12     | 12       | 12      | 12     | 12     | 14       | 14     | 14     | 14       | 14      | 14      |
| K—Depth Rear Smokebox in.                      | 11     | 11     | 11     | 11     | 14       | 14      | 14     | 15      | 15     | 15      | 15      | 15     | 16       | 16      | 16     | 16     | 20       | 20     | 20     | 20       | 20      | 20      |
| L—Height Rear Smokebox in.                     | 26     | 26     | 26     | 26     | 29       | 29      | 29     | 31 1/2  | 31 1/2 | 31 1/2  | 35      | 35     | 36       | 36      | 39     | 39     | 43       | 43     | 45 1/2 | 45 1/2   | 49 1/2  | 49 1/2  |
| M—Diameter of Smoke Outlet . . in.             | 20     | 22     | 22     | 22     | 24       | 24      | 24     | 26      | 26     | 26      | 28      | 28     | 32       | 32      | 34     | 34     | 36       | 36     | 40     | 40       | 42      | 42      |
| N—Height Smoke Outlet above Floor . . in.      | 64 1/2 | 64 1/2 | 64 1/2 | 64 1/2 | 69       | 69      | 69     | 70      | 70     | 70      | 81 1/2  | 81 1/2 | 90 1/2   | 90 1/2  | 93     | 93     | 96       | 96     | 99     | 99       | 110     | 110     |
| O—Hgt. of Water Column in.                     | 65 1/2 | 65 1/2 | 65 1/2 | 65 1/2 | 68       | 68      | 68     | 70      | 70     | 70      | 81      | 81     | 90       | 90      | 92     | 92     | 97 1/2   | 97 1/2 | 99 1/2 | 99 1/2   | 110 1/2 | 110 1/2 |
| P—Height of Water-line in.                     | 69     | 69     | 69     | 69     | 72       | 72      | 72     | 73      | 73     | 73      | 85      | 85     | 94       | 94      | 95     | 95     | 101      | 101    | 103    | 103      | 114     | 114     |
| Q—Hgt. of Steam Supply in.                     | 79 1/2 | 79 1/2 | 79 1/2 | 79 1/2 | 85 1/2   | 85 1/2  | 85 1/2 | 88 1/2  | 88 1/2 | 88 1/2  | 101     | 101    | 110 1/2  | 110 1/2 | 114    | 114    | 120      | 120    | 124    | 124      | 137     | 137     |
| R—Height of Return . . in.                     | 18     | 18     | 18     | 18     | 18       | 18      | 18     | 19      | 19     | 19      | 19      | 19     | 22       | 22      | 22     | 22     | 22       | 22     | 22     | 22       | 26      | 26      |
| S—Location of Steam Supply . . . in.           | 10 1/2 | 14     | 14     | 16     | 14       | 16      | 18     | 18      | 18     | 18      | 18      | 21     | 18       | 21      | 18     | 21     | 21       | 21     | 21     | 21       | 21      | 24      |
| T—Location of 1st Safety Valve . . . in.       | 8 1/2  | 10     | 10     | 10     | 10       | 10      | 11     | 14      | 14     | 14      | 13      | 14     | 13       | 14      | 13     | 14     | 14       | 14     | 14     | 14       | 14      | 15      |
| U—Loc. of 2d Safety Valve in.                  |        |        |        |        |          |         |        |         |        |         |         |        |          |         |        |        |          |        |        |          |         |         |
| V—Location of Surface Blow-off . . . in.       | 12     | 12     | 12     | 12     | 12       | 12      | 12     | 12      | 12     | 12      | 18      | 24     | 24       | 24      | 24     | 24     | 24       | 24     | 24     | 24       | 24      | 24      |
| W—Width of Base . . . in.                      | 41 1/2 | 41 1/2 | 41 1/2 | 41 1/2 | 47 1/2   | 47 1/2  | 47 1/2 | 53 1/2  | 53 1/2 | 53 1/2  | 59 1/2  | 59 1/2 | 66       | 66      | 72     | 72     | 78       | 78     | 84     | 84       | 90 1/2  | 90 1/2  |
| X—Width of Foundation in.                      | 46     | 46     | 46     | 46     | 52       | 52      | 52     | 58      | 58     | 58      | 63 1/2  | 63 1/2 | 68 1/2   | 68 1/2  | 74 1/2 | 74 1/2 | 80       | 80     | 86     | 86       | 92      | 92      |
| Y—Length of Foundation in.                     | 53 1/2 | 59 1/2 | 71 1/2 | 80     | 74 1/2   | 82 1/2  | 94     | 90      | 97 1/2 | 104 1/2 | 93 1/2  | 107    | 100 1/2  | 111     | 119    | 134    | 122 1/2  | 135    | 134    | 150 1/2  | 135     | 153     |
| Z—Location of Burners . . in.                  |        |        |        |        |          |         |        | 8 1/2   | 8 1/2  | 8 1/2   | 8 1/2   | 8 1/2  | 9 1/2    | 9 1/2   | 11     | 11     | 12 1/2   | 12 1/2 | 14     | 14       | 15      | 15      |
| a—Bolt Centers in Front Plate . . . . . in.    | 31 1/2 | 31 1/2 | 31 1/2 | 31 1/2 | 37 1/2   | 37 1/2  | 37 1/2 | 43 1/2  | 43 1/2 | 43 1/2  | 49 1/2  | 49 1/2 | 55 1/2   | 55 1/2  | 61 1/2 | 61 1/2 | 67 1/2   | 67 1/2 | 73 1/2 | 73 1/2   | 79 1/2  | 79 1/2  |
| e—Total Area of Ports in Hearth . . . sq. in.  | 42     | 49     | 59     | 67     | 74       | 83      | 95     | 108     | 118    | 128     | 150     | 175    | 198      | 220     | 260    | 300    | 340      | 378    | 410    | 465      | 525     | 600     |
| f—Depth of Pit . . . in.                       | 9      | 9      | 9      | 9      | 9        | 9       | 9      | 10      | 10     | 10      | 10      | 10     | 10       | 10      | 11     | 11     | 12       | 12     | 12     | 12       | 13      | 13      |
| g—Bolt Centers in Front Plate . . . . . in.    | 4 3/4  | 4 3/4  | 4 3/4  | 4 3/4  | 4 3/4    | 4 3/4   | 4 3/4  | 4 3/4   | 4 3/4  | 4 3/4   | 4 3/4   | 4 3/4  | 5 3/4    | 5 3/4   | 5 3/4  | 5 3/4  | 5 3/4    | 5 3/4  | 5 3/4  | 5 3/4    | 7 3/4   | 7 3/4   |

Manhole on Nos. 1759 and larger







Brickset Up-Draft



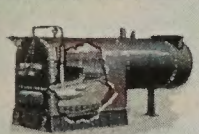
Portable Down-Draft



Portable Up-Draft



Type K Up-Draft



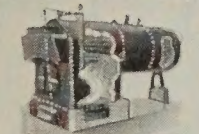
Type K Down-Draft



"800" Series



"900" Series



"500" Series



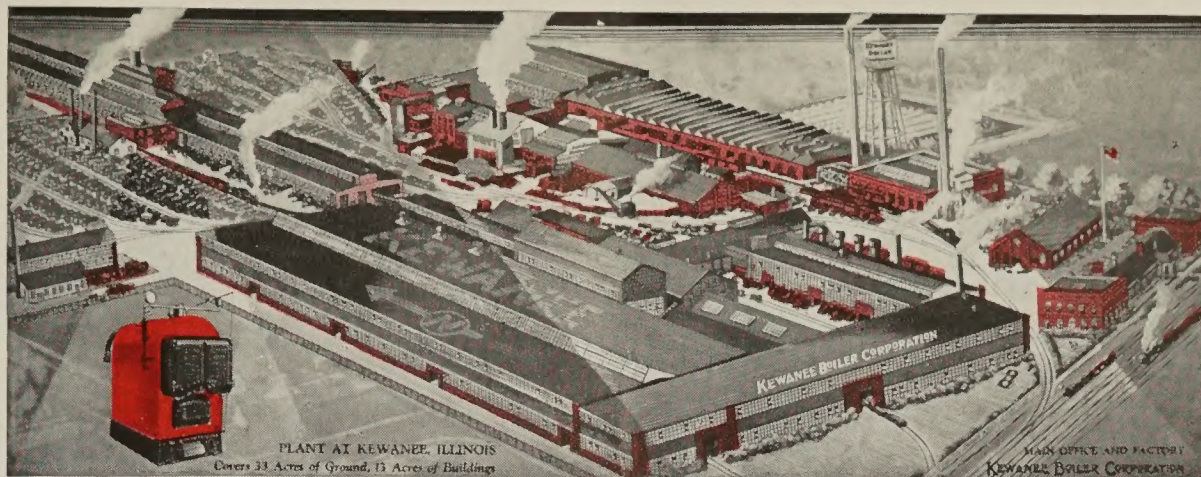
Oil Burning



Residence Type R



H. R. Tubular



PLANT AT KEWANEE, ILLINOIS  
Covers 34 Acres of Ground, 13 Acres of Buildings

## KEWANEE STEEL BOILERS

### CATALOG 84 *Steel Boilers Electric-Weld*

| Pages | Numbers   | Type of Boiler   | Sq. Ft. Radiation          |
|-------|-----------|------------------|----------------------------|
| 2-8   | 749-770   | Type C Portable. | Bituminous Coal 2300-33070 |
|       | 2749-2770 |                  | Anthracite Coal 2300-33070 |
| 9-12  | 1749-1770 |                  | Oil 2790-40200             |

ALL TYPES OF KEWANEE BOILERS LISTED BELOW MAY ALSO  
BE SHIPPED FROM STOCK—CATALOGS GIVE THE DETAILS

### CATALOG 90 *Steel Firebox Boilers Riveted*

| <i>Brickset Types</i> |                                   |        |             |
|-----------------------|-----------------------------------|--------|-------------|
| 0-20                  | Up-Draft Firebox                  | { Coal | 510-18610   |
|                       |                                   | { Oil  | 1440-26600  |
| 104-112               | Down-Draft Smokeless Firebox      | { Coal | 1650-7490   |
|                       |                                   | { Oil  | 3500-9100   |
| <i>Portable Types</i> |                                   |        |             |
| 307-324               | Down-Draft Smokeless Firebox      | { Coal | 3390-36810  |
|                       |                                   | { Oil  | 5050-44700  |
| 407-424               | Up-Draft Firebox                  | { Coal | 2550-33980  |
|                       |                                   | { Oil  | 4730-40480  |
| 524-544               | Up-Draft Firebox—"500" Series     | { Coal | 7060-28880  |
|                       |                                   | { Oil  | 10110-35070 |
| 832-843               | Up-Draft Firebox—"800" Series     | { Coal | 7920-35170  |
|                       |                                   | { Oil  | 9620-42700  |
| 932-943               | Down-Draft Smokeless—"900" Series | { Coal | 7560-36790  |
|                       |                                   | { Oil  | 10060-44670 |
| 0K-20K                | Up-Draft Firebox—Type K           | { Coal | 510-15810   |
|                       |                                   | { Oil  | 1040-19190  |
| 104K-112K             | Down-Draft Smokeless—Type K       | { Coal | 1650-5950   |
|                       |                                   | { Oil  | 2670-7220   |

### CATALOG 87 *All Types for Burning Oil*

### CATALOG 88 *Steel Residence Boilers Electric-Weld*

|           |               |            |      |          |
|-----------|---------------|------------|------|----------|
| 740-748   | Type R Square | Bituminous | Coal | 430-1960 |
| 2740-2748 |               | Anthracite | Coal | 430-1960 |
| 1740-1748 |               |            | Oil  | 450-2380 |

### CATALOG CO-92 *Round Steel Boiler Electric-Weld*

|           |              |            |      |         |
|-----------|--------------|------------|------|---------|
| 735-736   | Type R Round | Bituminous | Coal | 540-680 |
| 2735-2736 |              | Anthracite | Coal | 540-680 |
| 1735-1736 |              |            | Oil  | 410-550 |

Kewanee Steel Water Heating Garbage Burners,  
Tabasco Water Heaters and Tanks, Kewanee Power  
Boilers. Separate Catalogs Sent on Request.

## KEWANEE BOILER CORPORATION

division of American Radiator & Standard Sanitary Corporation

Head Office and Works: KEWANEE, ILLINOIS

MEMBER OF STEEL HEATING BOILER INSTITUTE

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Oil Country Boiler



Type D Garbage Burner



Tabasco Surface Burning



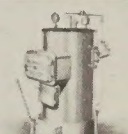
Tabasco Magazine Feed



Extra Heavy Tank



"G" Series



Round "R" Boiler



Blow-Off Tank



Air Receiver



Type A Garbage Burner



Type H Garbage Burner

KEWANEE MAKES A STEEL HEATING BOILER TO SUIT EVERY CONDITION OF SERVICE



